

WHAT IS CLAIMED IS:

1. A device for attaching at least three electrodes to a subject for stimulating abdominal muscles of the subject, comprising:

an attachment means, further comprising:

a main locating means for locating a central electrode of the at least three electrodes; and

two secondary locating means disposed on respective opposite sides of the main locating means for locating two corresponding side electrodes of the at least three electrodes spaced apart from the central electrode;

a receiving means for receiving a signal generating means for generating at least one pulsed signal; and

a selection means for selecting one or more of said electrodes through which a pulsed signal is to be applied.

2. The device as claimed in claim 1, wherein the selection means selectively selects at least one pair of electrodes from the at least three electrodes through which the at least one pulsed signal is applied to the subject.

3. The device as claimed in claim 2, wherein the at least one pulsed signal is applied simultaneously to each of the selected pairs of electrodes.

4. The device as claimed in claim 2, wherein the at least one pulsed signal is applied sequentially to each of the selected pairs of electrodes.

5. The device as claimed in claim 2, wherein one of the selected pairs of the electrodes comprises one side electrode and the central electrode, and another selected pair of the electrodes comprises the other side electrode and the central electrode.

6. The device as claimed in claim 2, wherein one of the selected pairs of electrodes comprises the two side electrodes.

7. The device as claimed in claim 2, wherein one of the selected pairs of electrodes comprises one of the side electrodes and one of a first and second central electrodes making up the central electrode, and another of the selected pairs of electrodes comprises the other of the side electrodes and the other of the first and second central electrodes.

8. The device as claimed in claim 2, wherein one of the selected pairs of electrodes comprises a first and second central electrodes making up the central electrode which act as one single electrode and one of the side electrodes, and another of the selected pairs of electrodes comprises the first and second central electrodes making up the central electrode which act as one single electrode and the other side electrode.

9. The device as claimed in claim 2, wherein one of the selected pairs of electrodes comprises the first and second central electrodes making up the central electrode.

10. The device as claimed in any of claim 2, wherein the at least one pulsed signal generated by the signal generating means for applying to the respective pairs of electrodes may be the same or different.

11. The device as claimed in claim 1, wherein each at least one pulsed signal comprises a plurality of pulses at intervals in the range of 5 milliseconds to 1000 milliseconds.

12. The device as claimed in claim 11, wherein each pulsed signal comprises a plurality of pulses at intervals in the range of 20 milliseconds to 40 milliseconds.

13. The device as claimed in claim 12, wherein each pulsed signal comprises a plurality of pulses at intervals of approximately 30 milliseconds \pm 20%.

14. The device as claimed in claim 1, wherein the interval between pulses of two consecutive at least one pulsed signal is adjustable.
15. The device as claimed in claim 1, wherein each pulsed signal comprises pulses of duration in the range of 10 microseconds to 200000 microseconds.
16. The device as claimed in claim 15, wherein each pulsed signal comprises pulses of duration in the range of 50 microseconds to 1000 microseconds.
17. The device as claimed in claim 16, wherein each pulsed signal comprises pulses of duration in the range of 100 microseconds to 500 microseconds.
18. The device as claimed in claim 17, wherein each pulsed signal comprises pulses of duration of approximately 300 microseconds \pm 20%.
19. The device as claimed in claim 1, wherein the duration of each pulsed signal is adjustable.
20. The device as claimed in any of claim 1, wherein each pulsed signal comprises a plurality of pulses of magnitude in the range of 0 mA to 100 mA.
21. The device as claimed in claim 1, wherein the magnitude of each pulse of each pulsed signal is adjustable.

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